

Date: Fri, 21 Jan 94 23:42:38 PST
From: Info-Hams Mailing List and Newsgroup <info-hams@ucsd.edu>
Errors-To: Info-Hams-Errors@UCSD.Edu
Reply-To: Info-Hams@UCSD.Edu
Precedence: Bulk
Subject: Info-Hams Digest V94 #63
To: Info-Hams

Info-Hams Digest Fri, 21 Jan 94 Volume 94 : Issue 63

Today's Topics:

★ SpaceNews 24-Jan-94 ★
AMSAT News Letter
Bencher Straight key
Freebies from ARRL HQ
KENWOOD TS140S
LA Comms
Low Power VCO
ORBS\$021.2L.AMSAT
RAMSEY FX TRANSCEIVERS
RECIPOP packages
Sony 2001 mods?

Send Replies or notes for publication to: <Info-Hams@UCSD.Edu>
Send subscription requests to: <Info-Hams-REQUEST@UCSD.Edu>
Problems you can't solve otherwise to brian@ucsd.edu.

Archives of past issues of the Info-Hams Digest are available
(by FTP only) from UCSD.Edu in directory "mailarchives/info-hams".

We trust that readers are intelligent enough to realize that all text
herein consists of personal comments and does not represent the official
policies or positions of any party. Your mileage may vary. So there.

Date: 21 Jan 94 20:59:50 GMT
From: news-mail-gateway@ucsd.edu
Subject: ★ SpaceNews 24-Jan-94 ★
To: info-hams@ucsd.edu

SB NEWS @ AMSAT \$SPC0124
★ SpaceNews 24-Jan-94 ★

BID: \$SPC0124

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SpaceNews
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MONDAY JANUARY 24, 1994

SpaceNews originates at KD2BD in Wall Township, New Jersey, USA. It is published every week and is made available for unlimited distribution.

* STS-60 ASTRONAUTS ISSUED HAM CALL SIGNS *
=====

Astronauts Charles F. Bolden, Jr. of Columbia, South Carolina and Ronald M. Sega of Seabrook, Texas, have been issued amateur radio call signs in preparation for their joint U.S.-Russia science mission. The Spacehab science objectives are primarily micro-gravity oriented with emphasis on materials and life science.

Bolden, KE4IQB is commander of the space shuttle Discovery (OV-103) due for lift off on February 3, 1994, at 12:10 UTC from Cape Kennedy. Sega (now KC5ETH) is the second of four Mission Specialists. They plan to contact several schools as part of the SAREX program - including one in Russia.

The flight of STS-60 represents an historic first, the first of several joint U.S.-Russian Space Shuttle flights planned in preparation for the development of the international Space Station. Veteran cosmonaut Sergei Krikalev, U5MIR, was chosen to be the first Russian to fly on the U.S. Space Shuttle. During the 8 day flight, Cosmonaut Krikalev will support the science operations on the Space Shuttle as Mission Specialist 4.

Last year, Sergei attended the Dallas Ham-Com convention and told us he would try to qualify for a U.S. license - but his training duties have prevented him from doing so. Since no reciprocal operating privileges exist between Russia and the United States, Sergei will operate amateur radio under Bolden's control operator authority. The possibility also exists for the first U.S. Space Shuttle to Mir Space Station (Russian astronaut-to-Russian cosmonaut) amateur radio contact!

Three new Russian amateurs were launched on January 8, 1994 aboard a Soyuz rocket and docked at the MIR space station on January 10th. The new crew includes Viktor Afanasiev (commander) U9MIR, Yuri Usachev (flight engineer) R3MIR and Valerij Polyakov (doctor) U3MIR. They are using the call sign R0MIR on packet.

[Info via Fred, W5YI]

* FUJI-FAX *

=====

With the Fuji-OSCAR-20 satellite schedule providing extended periods of analog (Mode JA) transponder operation, Ted (G6HMS) and Ian (G0NKA) in England have been exchanging FAX images through this satellite.

At first, the technique was a bit "iffy", but Ted and Ian gradually got the hang of following the doppler on the downlink to hold the picture. Unlike voice transmissions where the ear is relatively tolerant of frequency change, the same cannot be said for computers decoding FAX signals.

Ted and Ian initially started out exchanging black and white images with no grey scale. After correcting some transmission problems, images containing 256 grey levels were exchanged, and finally FULL COLOR FAX images were exchanged!

Ted and Ian used JV-FAX 6.0 software for making FAX transmissions, and a Shareware version of Microfax on receive. Both stations used an uplink on 145.980 MHz (LSB) which produced an FO-20 downlink on 435.820 MHz (USB).

If you have FAX capability, you are asked to join Ted and Ian as they exchange FAX images through the FO-20 satellite.

[Info via Ian, G0NKA @ GB7DTX.GBR.EU]

* SUPERBALL 1-94 UPDATE *

=====

The attempt to recover the SuperBall 1-94 balloon and payload on Saturday 15-Jan-94 failed. Numerous troubles plagued the effort and they basically just ran out of day-light and had to turn back. Another attempt was made on the 16th) which was successful! All of the critical elements of the craft were recovered.

Preliminary reports indicate that another launch will take place in about a month's time.

[Info via Kris Nosack, N7SHV]

* STS-60 SAREX INFO *

=====

Mission: STS-60 Space Shuttle Discovery
Vehicle: OV-103/Discovery
Wake Shield Facility & Spacehab-2 Mission
Launch: February 3, 1994, 12:10 UTC from KSC Pad A
Landing site: KSC
Orbit: 57 degree inclination

Orbital altitude: 218 sm
Mission Length: 8 days (Nominal)
Crew size: 6

Amateur Radio Operators: Charlie Bolden (License Pending), Ron Sega
(License Pending), Sergei Krikalev, U5MIR

Modes: FM Voice

Prime callsign: To be provided once Commander Bolden's callsign is known

Packet Radio: Callsign W5RRR-1

Frequencies: All operations in split mode. Do not transmit on
the downlink frequency.

Voice Freqs: Downlink: 145.55 MHz (Worldwide)
Uplinks: 144.91, 144.93, 144.95, 144.97,
144.99 MHz (Except Europe)
144.70, 144.75, 144.80 MHz (Europe only)

Note: The crew will not favor any specific uplink frequency, so your ability
to work the crew will be the "luck of the draw."

Packet Freqs: Downlink: 145.55 MHz
Uplink: 144.49 MHz

[Info via KA3HDO]

* FO-20 OPERATION SCHEDULE *

=====

The FO-20 operation schedule is follows. Analog transponder and digital
transponder will be ON for a week respectively as they were since last
December.

Analog mode:

26-Jan-94 08:20 UTC -to- 02-Feb-94 06:50 UTC
09-Feb-94 07:15 UTC -to- 16-Feb-94 07:40 UTC
23-Feb-94 08:05 UTC -to- 02-Mar-94 06:40 UTC
09-Mar-94 07:05 UTC -to- 16-Mar-94 07:30 UTC
23-Mar-94 07:52 UTC -to- 30-Mar-94 08:15 UTC

Digital mode:

Unless otherwise noted above.

[Info via Kazu Sakamoto, JJ1WTK]

* CORRECTION *

=====

The next STS mission is STS-60, not STS-58 as indicated in last week's issue of SpaceNews.

* THANKS! *

=====

Thanks to all those who sent messages of appreciation regarding SpaceNews, especially:

G1LKJ 9V1XA WN3C KC6ROL KI7OM KD9BE Lee Pratt Will Marchant

* FEEDBACK/INPUT WELCOMED *

=====

Mail to SpaceNews should be directed to the editor (John, KD2BD) via any of the following paths:

FAX : 1-908-747-7107

PACKET : KD2BD @ N2KZH.NJ.USA.NA

INTERNET : kd2bd@ka2qhd.ocpt.ccur.com -or- kd2bd@amsat.org

MAIL : John A. Magliacane, KD2BD
Department of Engineering and Technology
Advanced Technology Center
Brookdale Community College
Lincroft, New Jersey 07738
U.S.A.

<<-- SpaceNews: The first amateur newsletter read in space! -=>>

/EX

--

John A. Magliacane, KD2BD * /\ * Voice : 1-908-224-2948
Advanced Technology Center |/\| Packet : KD2BD @ N2KZH.NJ.USA.NA
Brookdale Community College |/\| Internet: kd2bd@ka2qhd.ocpt.ccur.com
Lincroft, NJ 07738 * \/\ * Morse : -. -.. ..--- -..

Date: 22 Jan 94 03:27:19 GMT
From: news-mail-gateway@ucsd.edu
Subject: AMSAT News Letter
To: info-hams@ucsd.edu

AMSAT News Service,

I am a student at Weber State University, Ogden, Utah. USA. I am requesting that my Internet address be added to the list of recipients for the AMSAT News letter. I am involved in the production of the Center Hex assembly and would like to be more involved in the entire project.

Thankyou

Devin Foster

01-21-94

Date: 21 Jan 94 00:12:57 GMT

From: library.ucla.edu!agate!howland.reston.ans.net!news.intercon.com!

uhog.mit.edu!xn.ll.mit.edu!noc.near.net!news.delphi.com!BIX.com!

arrrl@network.ucsd.edu

Subject: Bencher Straight key

To: info-hams@ucsd.edu

JMG@tntech.edu (JEFF M. GOLD) writes:

>anyone see one of the new Bencher Straight Keys in person.. look
>interesting.

>73

>Jeff, AC4HF

Yes, I happen to have one in my office at this moment.
It's not mine, but rather a fellow's who's been studying
for his license for -- I kid you not -- almost 30 years
now. He got it, finally, and somebody shipped him one of
those Bencher straight keys (they sure feel nice...) anonymously...

LH

Date: 21 Jan 94 00:07:22 GMT

From: noc.near.net!news.delphi.com!BIX.com!arrrl@uunet.uu.net

Subject: Freebies from ARRL HQ

To: info-hams@ucsd.edu

A reminder to all that the American Radio Relay League
continues to make available to Amateur Radio Operators and
non-amateurs alike a wide variety of free materials and
services. Of particular interest to the not-yet-licensed

individual would be the ARRL Prospective Ham Package. In the PHP, one would find:

.-

1. Printouts of Volunteer Examination session opportunities in his/her area.

.-

2. Listings of Amateur Radio clubs in his location.

.-

3. Helpful promotional material about the Amateur Radio Service.

.-

Please remember that the above package is ONLY available to not-yet-licensed individuals.

The already-licensed person might well be interested in another free ARRL publication, the ARRL Public Service Communications Manual. The PSCM represents the "bible" of public service communications, and clearly/concisely points out how the ARRL National Traffic System and the ARRL Amateur Radio Emergency Service function as a cohesive unit to provide the maximum support to the public both in times of disaster as well as "normal" times.

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To obtain either of these free ARRL services, please provide us with:

B. Your mailing address

C. A Specific request for either of the two services above.

.-

73!

.-

ARRL HQ

Date: 19 Jan 1994 06:45:02 GMT

From: swrinde!cs.utexas.edu!howland.reston.ans.net!pipex!sunic!EU.net!

news.forth.gr!helios.intranet.gr!phaethon!demetre@network.ucsd.edu

Subject: KENWOOD TS140S

To: info-hams@ucsd.edu

Hello netters,

Does anyone know of a conversion for the KENWOOD TS140S HF radio to permit the squelch to work on AM as well as FM ???

Please reply via e-mail...

73's

Date: Thu, 20 Jan 1994 19:41:01 GMT
From: netcomsv!netcom.com!btoback@decwrl.dec.com
Subject: LA Comms
To: info-hams@ucsd.edu

In article <CJw8Bo.9AK@srgenprp.sr.hp.com>, alanb@sr.hp.com (Alan Bloom) writes:
> Steven Jackson (jackson@longlast.cs.nyu.edu) wrote:
>
> : Someone please explain the "one way in" messages that were described here
> : earlier. Maybe I read it wrong, but it seems to mention mail going into the
> : Los Angeles/San Fernando valley area. What kind of messages would go IN?
>
> The messages in question are of the type: "Dear Mom and Dad. Are you
> still alive? Is your house still standing?"
>
> The problem is that it is almost impossible to deliver such messages in
> a disaster area, since phone service is almost invariable down and the
> roads are in disrepair. Incoming H&W (Health and Welfare) messages always
> have lowest priority. Direct disaster-relief communications have highest
> priority, followed by outgoing H&W messages. (Dear ___, your parents are
> OK and living in a shelter at ___)

In the specific case of the LA earthquake, both local telephone companies (General Telephone and Pacific Telephone) recommended that people calling to talk to someone in the affected areas instead call someone else in LA who isn't in one of the areas, and having them place a *local* call instead. This was issued sometime late Tuesday -- or at least, the news media reported this. However, in most cases, Al is correct.

-- Bruce Toback

Date: 21 Jan 94 18:20:13 GMT
From: sdd.hp.com!hpscit.sc.hp.com!rkarlqu@hplabs.hp.com
Subject: Low Power VCO
To: info-hams@ucsd.edu

In article <2hk0r2\$khht@dartvax.dartmouth.edu>,
Johan D. H. Goedkoop <daan220@draco.dartmouth.edu> wrote:
>
>
> Frequency Range: 138-153 MHz
> Power Supply: 3 Vdc @ 3 mAmp or
> 5 Vdc @ 1-2 mAmp

> Output (Power): +8 - +10 dBm (50 Ohm Load Resistance)
> Control Voltage: 1 - 3 Volts
> Op. Temp. Range: -45 to +70 degrees Celcius
>
>
>Has anyone been able to find a VCO that meets these specifications? Or just
>one that is reasonable in meeting them closely? Trade-offs are control voltage,
>output, and power supply. Total power consumption w/o output should range b/w 10
>and 15 mWatts.

I can just about guarantee you that no off the shelf VCO would even come close to these specs.

You'll have to build your own using an MRF931 transistor and an MV1404 tuning diode. I'd pick the 5 volt supply over the 3 volt supply. Allow a day or two of design time.

Of course, you do realize that +8 dBm is 90 milliwatts and you are asking for a maximum power consumption of 90 milliwatts at 3V or 100 milliwatts at 5V. Those specs are incompatible. You'll either need to allow more DC in or less RF out. I would say you could probably get +4 to +6 dBm. with your DC constraints if you worked at it.

I love these kinds of problems because they refute the notion that some managers have that you can build systems by buying all the blocks and putting them together like tinkertoys. No, I'm sorry, but some engineer is actually going to have to *design* something this time.

Rick Karlquist N6RK
rkarlqu@scd.hp.com

Date: 21 Jan 94 14:07:00 GMT
From: news-mail-gateway@ucsd.edu
Subject: ORBS\$021.2L.AMSAT
To: info-hams@ucsd.edu

SB KEPS @ AMSAT \$ORBS-021.N
2Line Orbital Elements 021.AMSAT

HR AMSAT ORBITAL ELEMENTS FOR AMATEUR SATELLITES IN NASA FORMAT
FROM WA5QGD FORT WORTH,TX January 21, 1994
BID: \$ORBS-021.N

DECODE 2-LINE ELSETS WITH THE FOLLOWING KEY:
1 AAAAAU 00 0 0 BBBB.BBBBBBBB .CCCCCCC 00000-0 00000-0 0 DDDZ

2 AAAAA EEE.EEEE FFF.FFFF GGGGGG HHH.HHHH III.IIII JJ.JJJJJJJJ KKKKKKZ
KEY: A-CATALOGNUM B-EPOCHTIME C-DECAY D-ELSETNUM E-INCLINATION F-RAAN
G-ECCENTRICITY H-ARGPERIGEE I-MNANOM J-MNMOTION K-ORBITNUM Z-CHECKSUM

TO ALL RADIO AMATEURS BT

AO-10

1 14129U 83058B 94012.88782746 -.000000337 00000-0 10000-3 0 2527
2 14129 27.1999 346.8463 6020165 145.8302 274.3239 2.05879874 79582

UO-11

1 14781U 84021B 94018.53148342 .000000235 00000-0 47829-4 0 6584
2 14781 97.7944 40.2143 0012903 32.0480 328.1509 14.69124335528336

RS-10/11

1 18129U 87054A 94016.19941791 .000000046 00000-0 34288-4 0 8545
2 18129 82.9244 81.1944 0013211 85.2443 275.0217 13.72329684329062

AO-13

1 19216U 88051B 94013.76090682 -.000000586 00000-0 10000-4 0 8653
2 19216 57.8727 273.6690 7205576 332.7751 3.3757 2.09726934 42777

FO-20

1 20480U 90013C 94018.51659842 .000000100 00000-0 30329-3 0 6526
2 20480 99.0147 198.7340 0540754 318.6667 37.4685 12.83223815184933

AO-21

1 21087U 91006A 94019.17209926 .000000094 00000-0 82657-4 0 4173
2 21087 82.9424 252.9794 0035743 137.1749 223.2201 13.74532086149118

RS-12/13

1 21089U 91007A 94018.81286753 .000000037 00000-0 23432-4 0 6567
2 21089 82.9239 122.2331 0029532 161.6651 198.5573 13.74033348148137

UO-14

1 20437U 90005B 94019.24162783 .000000048 00000-0 35626-4 0 9578
2 20437 98.6014 105.9995 0010476 271.0915 88.9061 14.29817627208309

AO-16

1 20439U 90005D 94019.23294962 .000000043 00000-0 33605-4 0 7583
2 20439 98.6092 107.0729 0010727 271.4260 88.5694 14.29873575208314

DO-17

1 20440U 90005E 94018.78193383 .000000055 00000-0 38411-4 0 7571
2 20440 98.6093 106.8996 0010796 272.2002 87.7944 14.30011640208261

WO-18

1 20441U 90005F 94019.24446275 .000000032 00000-0 29435-4 0 7587
2 20441 98.6091 107.3686 0011348 270.7621 89.2257 14.29988067208332

LO-19

1 20442U 90005G 94019.23252273 .000000048 00000-0 35616-4 0 7574
2 20442 98.6097 107.5781 0011714 270.9464 89.0376 14.30081798208349

UO-22

1 21575U 91050B 94018.70071175 .000000104 00000-0 49885-4 0 4588
2 21575 98.4490 96.1200 0008373 21.0530 339.1000 14.36883323131615

KO-23

1 22077U 92052B 94015.07021241 -.000000037 00000-0 10000-3 0 3520
2 22077 66.0872 240.5682 0008534 325.9559 34.0911 12.86283203 67099

A0-27

1	22825U	93061C	94015.23688085	.000000036	00000-0	32631-4	0	2549
2	22825	98.6695	92.4839	0008356	301.9653	58.0715	14.27601623	15866

I0-26

1	22826U	93061D	94015.22892069	.000000038	00000-0	33169-4	0	2558
2	22826	98.6706	92.4916	0008734	301.5136	58.5191	14.27703814	15866

K0-25

1	22830U	93061H	94014.64339549	.000000001	00000-0	18008-4	0	2563
2	22830	98.5722	90.7900	0010843	268.6528	91.3411	14.28027124	15789

NOAA-9

1	15427U	84123A	94014.01154683	.000000135	00000-0	95826-4	0	6779
2	15427	99.0744	62.5335	0014570	297.2963	62.6724	14.13579715468562	

NOAA-10

1	16969U	86073A	94013.95089539	.000000085	00000-0	54705-4	0	5769
2	16969	98.5115	27.6470	0014289	60.6937	299.5669	14.24857313380648	

MET-2/17

1	18820U	88005A	94019.09840418	.000000041	00000-0	23323-4	0	2554
2	18820	82.5397	27.1822	0015166	239.2617	120.7049	13.84704972301727	

MET-3/2

1	19336U	88064A	94018.57372231	.000000051	00000-0	10000-3	0	2577
2	19336	82.5389	69.5600	0015877	278.6887	81.2437	13.16963263263566	

NOAA-11

1	19531U	88089A	94013.91338651	.000000126	00000-0	92509-4	0	4785
2	19531	99.1575	359.1629	0011211	204.5750	155.4889	14.12949930273432	

MET-2/18

1	19851U	89018A	94019.18866258	.000000069	00000-0	48247-4	0	2567
2	19851	82.5226	262.7081	0013229	289.3306	70.6423	13.84355686247076	

MET-3/3

1	20305U	89086A	94017.89422067	.000000044	00000-0	10000-3	0	9712
2	20305	82.5495	13.8911	0005906	311.7262	48.3353	13.04401542203308	

MET-2/19

1	20670U	90057A	94019.25203231	.000000024	00000-0	79036-5	0	7575
2	20670	82.5477	326.7663	0014849	201.4548	158.5995	13.84186662180010	

FY-1/2

1	20788U	90081A	94016.17645587	-.000000027	00000-0	10000-4	0	8732
2	20788	98.8459	41.1276	0015374	75.7420	284.3802	14.01335636172410	

MET-2/20

1	20826U	90086A	94019.19169044	.000000094	00000-0	71590-4	0	7568
2	20826	82.5267	264.5225	0014575	102.3761	257.9031	13.83571054167152	

MET-3/4

1	21232U	91030A	94016.77549633	.000000050	00000-0	10000-3	0	6645
2	21232	82.5405	276.6395	0012441	202.6707	157.3867	13.16458614131438	

NOAA-12

1	21263U	91032A	94015.96922581	.000000157	00000-0	90208-4	0	8861
2	21263	98.6363	46.9897	0012686	321.9099	38.1181	14.22357548138892	

MET-3/5

1	21655U	91056A	94018.52836753	.000000051	00000-0	10000-3	0	6606
2	21655	82.5520	222.4234	0012361	209.0115	151.0325	13.16826870116763	

MET-2/21

1 22782U 93055A 94018.89845223 .000000039 00000-0 21950-4 0 2565
2 22782 82.5520 324.7383 0021299 286.9901 72.8924 13.82996980 19459

MIR

1 16609U 86017A 94017.58944630 .00009870 00000-0 12730-3 0 995
2 16609 51.6174 222.2409 0004684 210.2206 149.8392 15.59692386452555

HUBBLE

1 20580U 90037B 94019.23512510 .00000838 00000-0 68854-4 0 4298
2 20580 28.4680 112.6612 0005975 331.6281 28.3980 14.90430063 7146

GRO

1 21225U 91027B 94017.58973420 .00003648 00000-0 82854-4 0 566
2 21225 28.4617 196.8700 0003735 311.7439 48.2817 15.39842307 33692

UARS

1 21701U 91063B 94018.13837617 -.00000127 00000-0 10000-4 0 4641
2 21701 56.9833 40.3077 0005136 99.2913 260.8424 14.96334028128474

POSAT

1 22829U 93061G 94015.20627603 .00000045 00000-0 36004-4 0 2479
2 22829 98.6671 92.4771 0009664 287.5870 72.4206 14.27996968 15866

/EX

Date: Thu, 20 Jan 94 11:07:36 -0800

From: netcomsv!netcom.com!netcomsv!lavc!steven.rosenberg@decwrl.dec.com

Subject: RAMSEY FX TRANSCEIVERS

To: info-hams@ucsd.edu

kg7bk@indirect.com (Cecil Moore) writes:

> I wrote a letter to John Ramsey, owner of Ramsey Electronics, and sent
> him copies of what people have said about Ramsey stuff on Internet. Here's
> a quote from his response:
>
> "Tell those guys that I'll be glad to talk to any of them personally -
> just call and ask for me (and no, I won't rip 'em). I would like to
> show them that we do take our customers and hams seriously and respectfully.
> We are available and ready and willing to help!"

Redesign those FX series radios with TIGHTER front-ends -- forget
wide-coverage -- make 'em tight for the ham bands for improved receiver
performance. Also, LOWER the price -- how about including the case kit
for free?

> Ramsey is an American manufacturer without the resources of an ICOM. The FX
> transceivers perform well once the few bugs are fixed and I, personally, have
> had no bad experiences with Ramsey outside of a few missing parts which they
> promptly supplied without charge. My eyesight is so bad and those parts so
> small that I couldn't even swear they were missing... they might still be

> in my carpet.
>
> How 'bout we stop bashing Ramsey and help them solve whatever problems we
> might have because of them? If you can improve on their products without
> appreciably increasing the cost, send them your improvements. They have
> including some of my previous suggestions.

The kits have been improved over the last few years, but \$150 for a radio with no case, no mic, no speaker, no PL tone board is TOO EXPENSIVE.

Date: 21 Jan 94 00:10:25 GMT
From: noc.near.net!news.delphi.com!BIX.com!arrl@uunet.uu.net
Subject: RECIPOP packages
To: info-hams@ucsd.edu

Yet another of the many free services that ARRL HQ offers is the ability to obtain Reciprocal Operating permit information.

Matter of fact, ARRL HQ is the ONLY place on the planet where this information resides!

"Awrite, already" sez you, "why would I ever want one, and how much are ya gonna burn me to GET one?" "Glad you asked!" sez I

Radio amateurs are a constantly-travelling, very mobile, bunch of folks, it appears, and their travels clearly take them to countries near and far. Myself, I prefer "far" rather than 'near', but if you're inclined to travel to Canada, you can ignore this whole tome, as the Canadian government and our own here in the States have worked out an automatic-reciprocity agreement.

But if Belize is on your itinerary perhaps, or any of the other many countries with whom we share a reciprocal operating agreement, you're in luck! Many foreign administrations DO allow U.S. Amateur Radio licensees to apply for a reciprocal operating permit, and you need but ask us for the complimentary package that we make available.

To make your trip more enjoyable in that regard, we need:

1. Your name

2. Your mailing address
3. A specific request for the RECIPPOP package for the specific country you'll be off to.

And, yes, an e-mail request is fine!

```
|      |      |      Deputy Manager, Field Services, ARRL.
|      |____|      The ARRL A R E S, the ARRL
| uck  |      |urder N T S, The Amateur Auxiliary to
-----|      |      the FCC's FOB, the ARRL
        KY1T      FO and the ARRL Monitoring System.
```

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lhurder@arrl.org  Prodigy - MGTS39A, BIX - ARRL,
MCI Mail - RPALM, MCI Mail - "ARRL", America On Line -
"ARRL HQ" Compuserve - 70007,3373 (ARRL HQ) -- Genie
ARRL.HQ The 5-line ARRL BBS - 203-666-0578
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Date: Thu, 20 Jan 94 18:26:40 EST
From: noc.near.net!news.delphi.com!usenet@uunet.uu.net
Subject: Sony 2001 mods?
To: info-hams@ucsd.edu
```

Tom Jenkins <tjenkins@pnet16.cts.com> writes:

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>Over the past few weeks, I've listened to my newly aquired 2010. Super radio.
> Are there any mods/installations that I should be aware of?
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Actually, the ICF-2010 is fully unlocked and has all modes and coverage that the series is capable of. Some versions sold in other countries have certain features (285-531 kHz coverage, 26100-29999 kHz coverage, CW and SSB, air band , 76-87.5 MHz FM and/or external antenna inputs) disabled to comply with the regulations of those countries, but all such sets carry the model number ICF-2001D; the ICF-2010 is the US/Canada version.

-- Ed Ellers, KD4AWQ (happy ICF-2010 owner)

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Date: Thu, 20 Jan 1994 19:45:30 GMT
From: csulb.edu!paris.ics.uci.edu!news.claremont.edu!elroy.jpl.nasa.gov!swrinde!
cs.utexas.edu!howland.reston.ans.net!agate!msuinfo!harbinger.cc.monash.edu.au!
yarrina.connect.@@library.ucla.edu
To: info-hams@ucsd.edu
```

References <2h78ldINN9r2@orb.apana.org.au>, <wa2iseCJoqAx.CI3@netcom.com>,

<2hio5sINN5uu@orb.apana.org.au>s
Subject : Re: safety of HT antennas

craig@orb.apana.org.au (Craig Dewick) writes:

>In <wa2iseCJoqAx.CI3@netcom.com> wa2ise@netcom.com (Robert Casey) writes:

>>One solution (which you may have thought of, or seen used) is to get a
>>magnetic mount 2 meter antenna, if your talkie has a BNC connector for
>>its rubber duckie. When you're in the locomotive, stick the magmount
>>up in the air a few feet from the window (away from immediately nearby
>>objects, a broad somewhat flat area is best, have antenna vertical).

>Yes, I did think of this solution, although for mobile use when I'm on
>a train it would not be so good since the antenna would always be
>collecting bits of tree or tunnel or bridge or.....

Or 1.5KDC railway overhead..

>collecting bits of tree or tunnel or bridge or.....

>In a car it's ideal though.

>Unlike truckies, who have CB's, radios, TV's, etc, we have nothing other
>than the ridiculous fixed-frequency handheld and my Sony Walkman!

>(Now if only I could work out a way to put an external antenna on that
>Walkman so I can get better reception from narrowcast FM stations!)....

Id go to the occupational health and safety officer and present a case
that using these hand-helds in the cab next to ones head is a potential
health risk, and that roof mounted antenna's should be fitted to all
locomotives, and not just the select few that run interstate.

Then you reduce the close emissions to the times your are outside checking
things.

Not the best, but at least you have removed the situation where you are
in a metal box, holding the antenna next to your head, with the RF bouncing
around until it finds a window..

Craig's problem is based in the fact that the current NSW railway radio
system is a 10 year old 'temporary measure' that officials keep saying will
be replaced RSN. (Ie they won't spend money putting desk mount units in,
'cause they will 'be replaced soon anyway')

--

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End of Info-Hams Digest V94 #63
